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PATENT
Attorney Docket No. 33685/US/RMS
Dorsey File No. 470425-00021

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

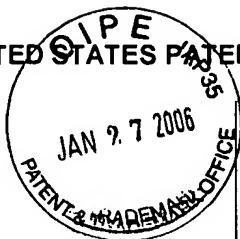
In re application of:

STROBEL et al.

Serial No.: 10/687,546

Filing Date: October 15, 2003

For: *Methods and Compositions Relating to
Insect Repellents from a Novel
Endophytic Fungus*



Examiner: Deborah K. Ware

Art Unit: 1651

Confirmation No. 7717

CERTIFICATE OF MAILING

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Dated: January 25, 2006

Signed:

Victoria Linne Poulsen
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INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. In accordance with 1287 Off. Gaz. Pat. Office 163, 10/19/2004, no copies of U.S. patents and U.S. published applications are enclosed.

Further, in accordance with the provisions of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that the references listed on the enclosed substitute for form PTO-1449 marked with an asterisk (*) were first cited in an International Search Report dated July 2, 2004 for a counterpart PCT application, PCT/US03/32876, filed October 15, 2003. A copy of the International Search Report for the counterpart PCT application is enclosed herewith.

Serial No.: 10/687,546
Filing Date: October 15, 2003

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

Respectfully submitted,
DORSEY & WHITNEY LLP

Dated: 1/24/06

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Attachments: PTO/SB/08A, Substitute for Form PTO-1449
Cited References
International Search Report
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Substitute for form 1449A/PTO
(Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	2	Application Number	10/687,546
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Filing Date	October 15, 2003
First Named Inventor	STROBEL et. al.
Art Unit	1616
Examiner Name	To be assigned
Attorney Docket Number	33685/US/RMS/THR (470425-00021)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1 *	4,954,497 A	9/04/1990	Kamikado et. al.	
	A2 *	5,270,340 A	12/14/1993	Kunisch et. al.	
	A3 *	5,612,338 A	3/18/1997	Trah	
	A4 *	6,310,005 B1	10/30/2001	Assmann et. al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1					

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C1	Agency for Toxic Substances and Disease Registry. (1995). World-Wide-Web Page at http://www.atsdr.cdc.gov/tfacts67.html (Modified: September 2003).	
	C2	AZEVEDO, J. L., ET AL. "Endophytic microorganisms: a review on insect control and recent advances on tropical plants," <i>Electronic Journal of Biotechnology</i> , 3(1):40-65 (April 15, 2000).	
	C3	AZUMA, H., ET AL. "Naphthalene- constituent of magnolia flowers," <i>Phytochemistry</i> , 42(4):999-1004 (1996).	
	C4	BAYMAN, P. ET AL. "Distribution and dispersal of <i>Xylaria endophytes</i> in two tree species in Puerto Rico," <i>Mycological Research</i> , 102(8):944-948 (1997).	
	C5	BOLTON, D. M., ET AL., in the MERCK Index, 8 th edn ed. (Stecher, P.G. Windholz, M., and Leahy, D. S.) 713 (MERCK, Rathway, New Jersey, (1968).	
	C6	BRUNS, T.D., ET AL. "Fungal molecular systematics," <i>Annu. Rev. Ecol. Syst.</i> , 22:525-564 (1991).	
	C7	CHEN, J., ET AL. "Termites fumigate their nests with naphthalene," <i>Nature</i> . 392:558-559 (April 1998).	
	C8	DAISY, B. H. ET AL. " <i>Muscodor vitigenus</i> , <i>anam. sp. nov.</i> an endophyte from <i>Paullinia paullinioides</i> ," <i>Mycotaxon</i> 84:39-50. (2002).	
	C9	Daisy, B. ET AL. "Napthalene, an insect repellent, is produced by <i>Muscodor vitigenus</i> , a novel endopythic fungus", <i>Microbiology</i> (2002), 148, 3737-3747	
	C10	GUARRO, J. ET AL. "Developments in Fungal Taxonomy," <i>Clin Microbiol Rev.</i> 12(3):454-500, (July 1999).	
	C11	HAWKSWORTH, D. C. ET AL. "Where are the undescribed fungi?" <i>Phytopath</i> 87(9):888-891 (1987).	
	C12	HEATH, R. R., ET AL. "Development and evaluation of systems to collect volatile semiochemicals from insects and plants using a charcoal-infused medium for air purification," <i>Journal of Chemical Ecology</i> . 18(7):1209-1226 (1992).	
	C13	MITCHELL, J. I., ET AL. "Sequence or Structure? A Short Review on the Application of Nucleic Acid Sequence Information to Fungal Taxonomy," <i>Mycologist</i> . (1995).	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/687,546	
			Filing Date	October 15, 2003	
			First Named Inventor	STROBEL et. al.	
			Art Unit	1616	
			Examiner Name	To be assigned	
Sheet	2	of	2	Attorney Docket Number	33685/US/RMS/THR (470425-00021)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C14	MORRILL, W. L., ET AL. "Trap strip and field border modification for management of the wheat stem sawfly: (<i>Hymenoptera Cephidae</i>)," <i>Journal of Entomological Science</i> . 36(1):34-45 (2001).	
	C15	PINKERTON, F., ET AL. "Serinol as an activator of toxin production in attenuated cultures of <i>J. sacchari</i> ," <i>Proc. Natl. Aca. Sci. (USA)</i> 73(11):4007-4011 (November 1976).	
	C16	SAMBROOK, J., ET AL. "Molecular Cloning: a Laboratory Manual." 2 nd Edition. Edited by Ford, N., Nolan, C., and Ferguson, M., Cold Harbor Laboratory Press, New York. (1989).	
	C17	SCHUTZ, B., "Endophytic fungi: a source of novel biologically active secondary metabolites." British Mycological Society, International Symposium Proceedings, Bioactive Fungal Metabolites – Impact and Exploitation, University of Wales, <i>Mycol. Res.</i> 106(9):996-1004 (April, 2001).	
	C18	STONE, J. K., ET AL. "An Overview of Endophytic Microbes: Endophytism Defined" in <i>Microbial Endophytes</i> ed. (Bacon, C.W. and White J. F.), Marcel Dekker, Inc, New York. (2000).	
	C19	STROBEL, G. A., ET AL. " <i>Pestalotiopsis jesterii</i> sp. nov. an endophyte from <i>Fragaria bodenii</i> , a common plant in the southern highlands of Papua New Guinea," <i>Mycotaxon</i> 76:257-266. (2000).	
	C20	STROBEL, G. A., ET AL. "Taxol from <i>Pestalotiopsis microspora</i> , an endophytic fungus of <i>Taxus wallachiana</i> ," <i>Microbiology</i> 142:435-40 (1996).	
	C21	STROBEL, G. A., ET AL. "Volatile antimicrobials from <i>Muscodora albus</i> , a novel endophytic fungus." <i>Microbiology</i> 147:2943-2950, (2001).	
	C22	TAYLOR, J. W., ET AL. The Evolution of asexual fungi: Reproduction, Speciation, and Classification. <i>Annu. Rev. Phytopathol</i> 37:197-246 (September, 1999).	
	C23	WEILAND, J.J., http://www.fqsc.net/fqn44/weiland.html , Northern Crop Science Laboratory, Sugarbeet and Potato Research Unit, Fargo, N.D. USA (Published: 1997).	
	C24	WHITE, T.J. ET AL. "Amplification of direct sequencing of fungal ribosomal RNA genes for phylogenetics." In <i>PCR Protocols: A Guide to Methods and Applications</i> . Edited by Innis, M.A., Gelfand, D. H., Sninsky J.J., and White, T. J., Academic Press, Inc., California, (1990).	
	C25	WORAPONG, ET AL. " <i>Muscodora albus</i> anam. gen. et sp. nov., an endophyte from <i>Cinnamomum zeylanicum</i> ," <i>Mycotaxon</i> 79:67-79 (2001).	
	C26	WORAPONG, ET AL. " <i>Muscodora roseus</i> anam. sp. nov., an endophyte from <i>Grevillea pteridifolia</i> ," <i>Mycotaxon</i> 81:463-475 (2002).	
	C27	ZADOKS, J. C., ET AL. "A decimal code for the growth stages of cereals" <i>Weed Research</i> 14:415-421 (1974).	

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